CLAIMS

1) Propulsion system (10) for a motor vehicle able to generate also the electric energy necessary for the motor vehicle, characterized in that it comprises:

a) one or more cold-flame linear current generators (1, 2) able to produce in the form of electric energy a fraction of the total power necessary for the motor vehicle, this fraction of power comprising also the electrical requirement of the motor vehicle, and the remaining power being supplied to one or more electric motors (4) used for traction purposes;

b) a cold-flame crankshaft engine (3) able to produce mechanical power for traction, variable between a minimum value, substantially coinciding with the maximum value of the power generated for traction purposes by the said one or more generators (1, 2), and a maximum value about 4-5 times greater.

2) Propulsion system (10) according to Claim 1, characterized in that it comprises:

- one or more cold-flame linear current generators (1, 2) generating overall a power output equal to about 1/6 to 1/5 of the total power of the propulsion system;

- a two-stroke cold-flame internal-combustion engine (3) able to produce mechanical energy for a power output which may vary between about 1/6-1/5 and about 5/6-4/5 of the total power of the propulsion system;

- one or more electric motors (4i) connected to one or more pairs of driving wheels (A, B) of the motor vehicle and supplied by the said generators (1, 2).

3) Propulsion system according to one of the preceding claims, in which the said linear current generators (1, 2) are two in number, each of them therefore generating a power equal to about 1/12 to 1/10 of the total power of the propulsion system.

4) Propulsion system according to one of the

preceding claims, incorporating an automatic gear unit (5) arranged between the propulsion system and one or more pairs of driving wheels.